

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE

Date: 04/05/2007

To: Operational Technology

Attn: [redacted]

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b7C

From: Operational Technology Division

Technical Response Unit

Contact: SSA [redacted]

SSA [redacted]

Approved By: [redacted]

Drafted By: [redacted]

Case ID #: 269-HQ-1555277

Title: OPERATIONAL TECHNOLOGY DIVISION
TECHNICAL PROGRAMS SECTION
TECHNICAL RESPONSE UNIT (TRU);
UNMANNED AIRCRAFT SYSTEMS (UAS) PROGRAM;
ENGINEERING TECHNICAL MATTERS-NON FCI MATTERS

Synopsis: Request that a program management file be opened in order to capture all pertinent information concerning TRU's UAS program.

Details: This document sets forth policies, procedures, and training guidelines for TRU's UAS Program.

To date [redacted] Small Unmanned Aircraft Systems
[redacted] were purchased approximately [redacted]

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[redacted] Each UAS costs approximately
[redacted] Approximately [redacted] has been spent on UAS technologies
[redacted] to include supporting hardware and training. TRU's UAS training
[redacted] and real-world/emergency flight operations will be supervised by
[redacted] two TRU Program Managers, SSA [redacted] and SSA [redacted]
[redacted] Technical matters for [redacted] UAS Operations will be
[redacted] coordinated by Electronics Technicians [redacted] and [redacted]
[redacted] Currently TRU personnel have submitted requisitions For
FY '07 in order to acquire new and improved UAS'.

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To: Operational Technology From: Operational Technology
Division
Re: 269-HQ-NEW, 04/05/2007

[Redacted]

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TRU's UAS Program will be operated as a "Technical Platform." Training matters will be approved by UC [Redacted] All operational deployments will be approved by Assistant Director Marcus Thomas and Acting Section Chief [Redacted]. These deployments will be conducted in accordance with the Bureau Aviation regulation as published by the Aviation Surveillance Branch. Operational deployments will be coordinated with Branch Chief James Yacone.

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All TRU UAS Operators must first complete [Redacted] Small Un-Manned Aircraft System Operator Qualification Course - [Redacted]. It is also highly recommended that a [Redacted] Course be completed by TRU personnel. Furthermore, in order to operate TRU UAS' within [Redacted] Course must be completed with [Redacted] TRU personnel will also establish training parameters and keep documentation concerning training, flight hours, and number of training days per month. Copies of all training records will be forwarded to Aviation Surveillance Branch file 321D-IR-A7788.

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In order to comply with Federal Aviation Administration (FAA) regulations for UAV/UAS operations within United States National Air Space (NAS), the following guidelines must be adhered to in order to operate TRU UAS Technical Platforms within the NAS:

[Redacted]

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To: Operational Technology From: Operational Technology
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[Redacted]

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Furthermore, FAA has suggested that UAV pilots/operators be held to the same standards as manned fixed-wing aircraft necessitating [Redacted]

[Redacted] Again, All training records will be maintained in ASB File Number 321D-IR-A7788 and TRU File Number 269-HQ-NEW.

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In the event of a real-world/operational deployment, a communication (i.e., EC or e-mail) will be forwarded to Aviation Surveillance Branch(ASB)managerial staff.

Operational deployments to the field must have concurrence of the respective Field Divisions Management. Additionally, it will be the requesting Field Divisions responsibility to obtain any necessary AUSA approvals or opinions concerning UAS deployment in their territory. Furthermore, color/video images transmitted from the UAS will adhere to CCTV Guidelines; and Infrared images will follow FBI Aviation Program Guidelines. All original evidentiary materials, e.g. video tape and/or DVDs will be placed in a 1-A Envelope and provide to the case agent.

Prior to any routine operational flights of TRU's UAS Technical Platform, FAA must be contacted as soon as practical. ASB will act as the direct conduit to FAA in order to request Temporary Flight Restrictions and start the Certificate of Authorization process . At the present time, [Redacted]

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[Redacted] must be contacted immediately regarding UAS operational deployments. This process normally takes [Redacted] and is considered on a case by case basis.

However, "exigent circumstances" may apply due to emergency and/or life-safety events. For example, the UAS mission flown [Redacted] regarding [Redacted] was considered an immediate life-safety issue and a emergency Certificate of Authorization (COA) was issued.

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[Redacted] To date, the following personnel have completed [Redacted]
Course:

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1. SSA [Redacted]
2. SSA [Redacted]

To: Operational Technology From: Operational Technology
Division
Re: 269-HQ-1555277, 05/24/2007

LEAD(s) :

Set Lead 1: (Info)

Operational Technology

AT Quantico, VA

Read and clear.

Set Lead 2: (Info)

CIRG

At ASTOS, Manassas, VA

Read and clear.

♦♦

To: Operational Technology From: Operational Technology
Division
Re: 269-HQ-NEW, 04/05/2007

Request that a new file be opened.

Set Lead 2: (Info)

CIRG
AT ASB

Read and Clear.

♦♦

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE

Date: 05/24/2007

To: Operational Technology

Attn: AD Marcus C. Thomas
SC Charles Barry Smith

CIRG

Attn: Aviation Surveillance Branch
SSA [redacted]

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From: Operational Technology Division

Technical Response Unit (TRU)

Contact: SSA [redacted]

Approved By: [redacted]

Drafted By: [redacted]

Case ID #: 269-HQ-1555277

Title: OPERATIONAL TECHNOLOGY DIVISION
TECHNICAL PROGRAMS SECTION
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Synopsis: To capture list of attendees at [redacted]
[redacted] demonstration.

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Enclosure(s): Unmanned Aircraft Systems (UAS) demonstration
attendance list.

Details: On [redacted] the Technical Response Unit (TRU) hosted the
[redacted] was provided the opportunity to display their latest
Unmanned Aircraft Technology. [redacted]

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[redacted] Specifications:

Components: [redacted]

Packability: [redacted].

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Air Vehicle Performance: [REDACTED]

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Operational Environment: [REDACTED]

Payloads: [REDACTED]

Target Detection: [REDACTED]

Video Recording: [REDACTED]

Flight Planning: [REDACTED]

Fuel: [REDACTED]

Communications: [REDACTED]

Navigation: [REDACTED]

It should be noted that the FBI LAB is very interested
in this technology and the possibilities of deploying [REDACTED]

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TRU intends on visiting [REDACTED] in
[REDACTED] in the near future in order to obtain more
knowledge concerning the system and receive complimentary training
prior to purchasing any units.

To: Operational Technology From: Operational Technology
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3. ET
4. ET
5. ET

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To date, the following personnel have passed the Private
Pilots Ground School Examination:

1. SSA
2. ET
3. ET
4. ET

To date, the following personnel have received the FAA
Class III Physical Examinations:

1. SSA
2. SSA
3. ET

Several TRU personnel are scheduled to attend Private
Pilot's Academic Instruction in the very near future.

LEAD(s):

Set Lead 1: (Action)

OPERATIONAL TECHNOLOGY

AT QUANTICO, VA